

10-585,490

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
28 July 2005 (28.07.2005)

PCT

(10) International Publication Number  
**WO 2005/068433 A1**

(51) International Patent Classification<sup>7</sup>: **C07D 235/18**,  
235/26, 235/28, 401/04, 401/06, 401/12, 403/06, 413/06,  
417/06, 471/04, A61K 31/4184, 31/422, 31/427, 31/4402,  
31/4406

(21) International Application Number:  
PCT/EP2005/000291

(22) International Filing Date: 13 January 2005 (13.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0400781.1 14 January 2004 (14.01.2004) GB

(71) Applicant (for all designated States except AT, US): NO-  
VARTIS AG [CH/CH]; Lichtstasse 35, CH-4056 Basel  
(CH).

(71) Applicant (for AT only): NOVARTIS PHARMA GMBH  
[AT/AT]; Brunner Strasse 59, A-1230 Vienna (AT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): GERSPACHER,  
Marc [CH/CH]; Grossmatt 8, CH-4616 Kappel (CH).  
WEILER, Sven [DE/DE]; Adlergässchen 6, 79539 Lör-  
rach (DE).

(74) Agent: GRUBB, Philip; Novartis AG, Corporate Intellec-  
tual Property, CH-4002 Basel (CH).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

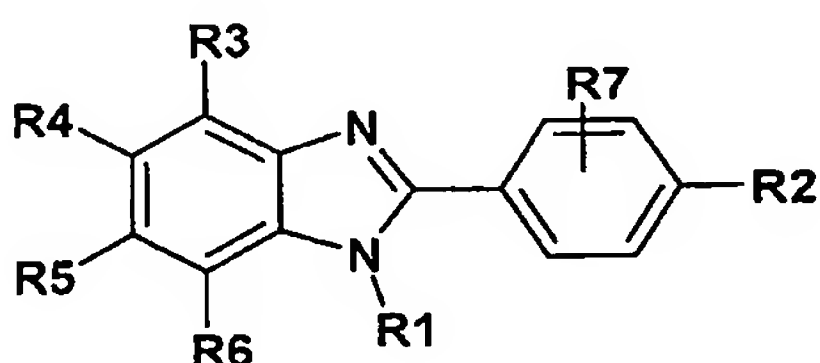
(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: BENZIMIDAZOLE DERIVATIVES



(I)

(57) Abstract: A compound of formula (I) or a  
pharmaceutically acceptable salt or prodrug ester thereof;  
wherein R1-R7 are as disclosed in the specification and  
pharmaceutical uses thereof.

WO 2005/068433 A1